

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 27, 2003, 11:19:09 / Search time 23 Seconds
(without alignments)
1027.530 Million cell updates/sec

Title: US-09-823-307C-2
Perfect score: 1082
Sequence: 1 MCKGLWFFFLFCIRIKVLTG.....YMFWRVATKAKSRITVTL 199

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 451899 seqs, 118759770 residues
number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

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18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

/Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1082	100.0	199	14	US-10-107-828-2
2	1082	100.0	199	14	US-10-107-807-2
3	1082	100.0	199	14	US-10-107-868-2
4	1082	100.0	199	15	US-10-301-056-2
5	1082	100.0	199	15	US-10-207-655-162
6	1067.5	98.7	198	10	US-09-972-524-2
7	1067.5	98.7	198	10	US-09-823-307-2
8	1066.5	98.6	198	10	US-09-989-545-12
9	737.5	68.2	200	10	US-09-989-545-8
10	737.5	68.2	200	10	US-09-989-545-10
11	722.5	66.8	200	14	US-10-107-828-14
12	722.5	66.8	200	14	US-10-107-907-14
13	722.5	66.8	200	14	US-10-107-868-14
14	722.5	66.8	200	15	US-10-301-056-14
15	701	64.8	200	14	US-10-107-828-13

16	701	64.8	200	14	US-10-107-907-13	Sequence 13, Appl
17	701	64.8	200	15	US-10-301-056-13	Sequence 13, Appl
18	701	64.8	200	15	US-10-301-056-13	Sequence 15, Appl
19	696	64.3	216	14	US-10-107-828-15	Sequence 23, Appl
20	696	64.3	216	14	US-10-107-828-23	Sequence 15, Appl
21	696	64.3	216	14	US-10-107-907-15	Sequence 23, Appl
22	696	64.3	216	14	US-10-107-907-23	Sequence 23, Appl
23	696	64.3	216	14	US-10-107-868-15	Sequence 23, Appl
24	696	64.3	216	15	US-10-107-868-23	Sequence 23, Appl
25	696	64.3	216	15	US-10-301-056-15	Sequence 23, Appl
26	696	64.3	216	15	US-10-301-056-23	Sequence 23, Appl
27	696	64.3	216	15	US-10-107-828-16	Sequence 16, Appl
28	696	64.3	216	15	US-10-107-828-16	Sequence 16, Appl
29	696	64.3	216	15	US-10-107-868-16	Sequence 16, Appl
30	696	64.3	216	15	US-10-301-056-16	Sequence 16, Appl
31	176	16.3	214	14	US-10-107-828-17	Sequence 17, Appl
32	176	16.3	214	14	US-10-107-907-17	Sequence 17, Appl
33	176	16.3	214	14	US-10-107-868-17	Sequence 17, Appl
34	176	16.3	214	15	US-10-301-056-17	Sequence 17, Appl
35	145.5	13.4	221	9	US-09-303-510-8	Sequence 8, Appl
36	145.5	13.4	221	9	US-09-303-040-8	Sequence 8, Appl
37	139.5	12.9	220	10	US-09-989-545-19	Sequence 19, Appl
38	139.5	12.9	220	11	US-09-835-297-4	Sequence 4, Appl
39	139.5	12.9	220	14	US-10-107-828-25	Sequence 25, Appl
40	139.5	12.9	220	14	US-10-107-907-25	Sequence 25, Appl
41	139.5	12.9	220	14	US-10-107-868-25	Sequence 25, Appl
42	139.5	12.9	220	15	US-10-301-056-25	Sequence 25, Appl
43	139.5	12.9	220	15	US-10-107-868-25	Sequence 25, Appl
44	138	12.8	218	10	US-09-989-545-18	Sequence 18, Appl
45	89	8.2	305	10	US-09-771-730-119	Sequence 119, App

ALIGNMENTS

RESULT 1
US-10-107-828-2
Sequence 2, Application US/10107828
Publication No. US2002011581A1
GENERAL INFORMATION:
APPLICANT: Taniuchi, Takuya
TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL
FILE REFERENCE: 06501-039002
CURRENT APPLICATION NUMBER: US/10/107,828
CURRENT FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US/09/561,308B
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: PCT/J98/00837
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: JAPAN 09-62290
PRIOR FILING DATE: 1997-02-27
PRIOR APPLICATION NUMBER: JAPAN 10-62217
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 199
TYPE: PRT
ORGANISM: Homo sapiens
US-10-107-828-2
Query Match 100.0%, Score 1082, DB 14, Length 199,
Best Local Similarity 100.0%, Pred. No. 6.6e-111,
Matches 199, Conservative 0, Indels 0, Gaps 0,
Qy 1 MCKGLWFFFLFCIRIKVLTGEINSGANYEMFIFNNGSVQILCKYPDIVQGFKNQILKGGQ 60
Db 1 MCKGLWFFFLFCIRIKVLTGEINSGANYEMFIFNNGSVQILCKYPDIVQGFKNQILKGGQ 60
Qy 61 ILCDLTKTGSGNTVYSIKLKFCHSOLSNNSVSFFLYNLDSHANYFYCNLSIFDPPPFK 120

Db 61 ILCDLTKTSGSNTVSIKSLKFCCHSOLSNNSVSFFLYNLDSHANYFCNLSIFDPPPFK 120
Qy 121 VTLTGGYLHIYESOLCCOLKFWLPIGCAAFVVCILGCIILCWLTKKXSSSVHDPNGEX 180
Db 121 VTLTGGYLHIYESOLCCOLKFWLPIGCAAFVVCILGCIILCWLTKKXSSSVHDPNGEX 180
Qy 181 MEMRAVNTAKKSRLTDVTL 199
Db 181 MEMRAVNTAKKSRLTDVTL 199

RESULT 2

US-10-107-907-2
Sequence 2, Application US/10107907
Publication No. US20020151685A1
GENERAL INFORMATION:
APPLICANT: Tamatani, Takuya
APPLICANT: Tezuka, Katsunari
TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL
ADHESION AND SIGNAL TRANSMISSION
FILE REFERENCE: 06501-039002
CURRENT APPLICATION NUMBER: US/10/107,907
CURRENT FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: 09/561,308
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: PCT/JP98/00837
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: JAPAN 09-62290
PRIOR FILING DATE: 1997-02-27
PRIOR APPLICATION NUMBER: JAPAN 10-62217
PRIOR FILING DATE: 1998-02-26
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 199
TYPE: PRT
ORGANISM: Homo sapiens
US-10-107-907-2

Query Match 100.0%; Score 1082; DB 14; Length 199;
Best Local Similarity 100.0%; Pred. No. 6,6e-111;
Matches 199; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSGLMWFFLFCRLIKVLTGEINGSANYEMFIHNGGVQILCKYPDIVQOFKQQLKGGQ 60
Db 1 MSGLMWFFLFCRLIKVLTGEINGSANYEMFIHNGGVQILCKYPDIVQOFKQQLKGGQ 60
Qy 61 ILCDLTKTSGSNTVSIKSLKFCCHSOLSNNSVSFFLYNLDSHANYFCNLSIFDPPPFK 120
Db 61 ILCDLTKTSGSNTVSIKSLKFCCHSOLSNNSVSFFLYNLDSHANYFCNLSIFDPPPFK 120
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Db 121 VTLTGGYLHIYESOLCCOLKFWLPIGCAAFVVCILGCIILCWLTKKXSSSVHDPNGEX 180
Qy 181 MEMRAVNTAKKSRLTDVTL 199
Db 181 MEMRAVNTAKKSRLTDVTL 199

RESULT 3

US-10-107-868-2
Sequence 2, Application US/10107868
Publication No. US20020156242A1
GENERAL INFORMATION:
APPLICANT: Tamatani, Takuya
APPLICANT: Tezuka, Katsunari
TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL
ADHESION AND SIGNAL TRANSMISSION
FILE REFERENCE: 06501-039002
CURRENT APPLICATION NUMBER: US/10/107,868
CURRENT FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: 09/561,308

PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: US 09/383,551
PRIOR FILING DATE: 1999-08-26
PRIOR APPLICATION NUMBER: PCT/JP98/00837
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: JAPAN 09-62290
PRIOR FILING DATE: 1997-02-27
PRIOR APPLICATION NUMBER: JAPAN 10-62217
PRIOR FILING DATE: 1998-02-26
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 199
TYPE: PRT
ORGANISM: Homo sapiens
US-10-107-868-2

Query Match 100.0%; Score 1082; DB 14; Length 199;
Best Local Similarity 100.0%; Pred. No. 6,6e-111;
Matches 199; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 ILCDLTKTSGSNTVSIKSLKFCCHSOLSNNSVSFFLYNLDSHANYFCNLSIFDPPPFK 120
Qy 121 VTLTGGYLHIYESOLCCOLKFWLPIGCAAFVVCILGCIILCWLTKKXSSSVHDPNGEX 180
Db 121 VTLTGGYLHIYESOLCCOLKFWLPIGCAAFVVCILGCIILCWLTKKXSSSVHDPNGEX 180
Qy 181 MEMRAVNTAKKSRLTDVTL 199
Db 181 MEMRAVNTAKKSRLTDVTL 199

RESULT 4

US-10-301-056-2
Sequence 2, Application US/10301056
Publication No. US20030083472A1
GENERAL INFORMATION:
APPLICANT: Tamatani, Takuya
APPLICANT: Tezuka, Katsunari
TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL
ADHESION AND SIGNAL TRANSMISSION
FILE REFERENCE: 06501-039001
CURRENT APPLICATION NUMBER: US/10/301,056
CURRENT FILING DATE: 2002-11-21
PRIOR APPLICATION NUMBER: US/09/383,551
PRIOR FILING DATE: 1999-08-26
PRIOR APPLICATION NUMBER: PCT/JP98/00837
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: JAPAN 09-62290
PRIOR FILING DATE: 1997-02-27
PRIOR APPLICATION NUMBER: JAPAN 10-62217
PRIOR FILING DATE: 1998-02-26
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 199
TYPE: PRT
ORGANISM: Homo sapiens
US-10-301-056-2

Query Match 100.0%; Score 1082; DB 15; Length 199;
Best Local Similarity 100.0%; Pred. No. 6,6e-111;
Matches 199; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSGLMWFFLFCRLIKVLTGEINGSANYEMFIHNGGVQILCKYPDIVQOFKQQLKGGQ 60
Db 1 MSGLMWFFLFCRLIKVLTGEINGSANYEMFIHNGGVQILCKYPDIVQOFKQQLKGGQ 60

QY 61 ILCDLTKTKSGNTVSIKSLKFCCHSOLSNNSVSFFLYNLDHSHANYFCNLSIFDPPPEK 120
Db 61 ILCDLTKTKSGNTVSIKSLKFCCHSOLSNNSVSFFLYNLDHSHANYFCNLSIFDPPPEK 120
QY 121 VTLTGGLHIYESOLCCOLKFWLPFGCAAFVVCILGICILICMLTKKKYSSSVHDPNGEX 180
Db 121 VTLTGGLHIYESOLCCOLKFWLPFGCAAFVVCILGICILICMLTKKKYSSSVHDPNGEX 180
QY 181 MEMRAVNTAKKSRLTDVTL 199
Db 181 MEMRAVNTAKKSRLTDVTL 199

RESULT 5
US-10-207-655-162
; Sequence 162, Application US/10207655
; Publication No. US20030118592A1
; GENERAL INFORMATION:
; APPLICANT: Ledbetter, Jeffrey A.
; TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS
; FILE REFERENCE: 390069, 40101
; CURRENT APPLICATION NUMBER: US/10/207,655
; NUMBER OF SEQ ID NOS: 426
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 162
; LENGTH: 199
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-207-655-162

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Best Local Similarity 100.0%; Pred. No. 6,6e-111; Indels 0; Gaps 0;
Matches 199; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MRSGLMYFFLFCRLIKVLTGEINGSANYEMFIHNGVOILCKYPDIVVOQFMQLKGGQ 60
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QY 121 VTLTGGLHIYESOLCCOLKFWLPFGCAAFVVCILGICILICMLTKKKYSSSVHDPNGEX 180
Db 121 VTLTGGLHIYESOLCCOLKFWLPFGCAAFVVCILGICILICMLTKKKYSSSVHDPNGEX 180
QY 181 MEMRAVNTAKKSRLTDVTL 199
Db 181 MEMRAVNTAKKSRLTDVTL 199

RESULT 6
US-09-972-524-2
; Sequence 2, Application US/09972524
; Patent No. US20020177191A1
; GENERAL INFORMATION:
; APPLICANT: Kroccek, Richard
; TITLE OF INVENTION: Methods for Treatment of Asthmatic Disorders
; FILE REFERENCE: 7853-240
; CURRENT APPLICATION NUMBER: US/09/972,524
; PRIOR FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: 09/509,283
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 198
; TYPE: PRT
; ORGANISM: 8P4
US-09-972-524-2

Query Match 98.7%; Score 1067.5; DB 10; Length 198;
Best Local Similarity 99.5%; Pred. No. 2.6e-109; Indels 1; Gaps 1;
Matches 198; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 1 MRSGLMYFFLFCRLIKVLTGEINGSANYEMFIHNGVOILCKYPDIVVOQFMQLKGGQ 60
Db 1 MRSGLMYFFLFCRLIKVLTGEINGSANYEMFIHNGVOILCKYPDIVVOQFMQLKGGQ 60
QY 61 ILCDLTKTKSGNTVSIKSLKFCCHSOLSNNSVSFFLYNLDHSHANYFCNLSIFDPPPEK 120
Db 61 ILCDLTKTKSGNTVSIKSLKFCCHSOLSNNSVSFFLYNLDHSHANYFCNLSIFDPPPEK 120
QY 121 VTLTGGLHIYESOLCCOLKFWLPFGCAAFVVCILGICILICMLTKKKYSSSVHDPNGEX 180
Db 121 VTLTGGLHIYESOLCCOLKFWLPFGCAAFVVCILGICILICMLTKKKYSSSVHDPNGEX 179
QY 181 MEMRAVNTAKKSRLTDVTL 199
Db 181 MEMRAVNTAKKSRLTDVTL 199

RESULT 7
US-09-823-307-2
; Sequence 2, Application US/09823307
; Publication No. US2002018267A1
; GENERAL INFORMATION:
; APPLICANT: Kroccek, Richard
; TITLE OF INVENTION: Methods of Modulating T Lymphocyte Costimulation
; FILE REFERENCE: 7853-235
; CURRENT APPLICATION NUMBER: US/09/823,307
; PRIOR FILING DATE: 2001-04-02
; PRIOR APPLICATION NUMBER: 09/509,283
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 198
; TYPE: PRT
; ORGANISM: 8P4
US-09-823-307-2

Query Match 98.7%; Score 1067.5; DB 10; Length 198;
Best Local Similarity 99.5%; Pred. No. 2.6e-109; Indels 1; Gaps 1;
Matches 198; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
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Db 1 MRSGLMYFFLFCRLIKVLTGEINGSANYEMFIHNGVOILCKYPDIVVOQFMQLKGGQ 60
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Db 61 ILCDLTKTKSGNTVSIKSLKFCCHSOLSNNSVSFFLYNLDHSHANYFCNLSIFDPPPEK 120
QY 121 VTLTGGLHIYESOLCCOLKFWLPFGCAAFVVCILGICILICMLTKKKYSSSVHDPNGEX 180
Db 121 VTLTGGLHIYESOLCCOLKFWLPFGCAAFVVCILGICILICMLTKKKYSSSVHDPNGEX 179
QY 181 MEMRAVNTAKKSRLTDVTL 199
Db 181 MEMRAVNTAKKSRLTDVTL 199

RESULT 8
US-09-989-545-12
; Sequence 12, Application US/09989545
; Patent No. US20020164697A1
; GENERAL INFORMATION:
; APPLICANT: Lehar, Sophie
; APPLICANT: Manning, Stephen
; APPLICANT: Coyne, Anthony J.
; APPLICANT: Gutierrez-Ramos, Jose-Carlos
; TITLE OF INVENTION: No. US20020164697A1e1 Th2-Specific Molecules and Uses Thereof

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FILE REFERENCE: 5800-10B
CURRENT APPLICATION NUMBER: US/09/989,545
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/168,229
PRIOR FILING DATE: 1998-10-07
PRIOR APPLICATION NUMBER: 09/258,670
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 24
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO: 12
LENGTH: 198
TYPE: PRT
ORGANISM: Homo sapiens
US-09-989-545-12

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Query Match 98.6%; Score 1066.5; DB 10; Length 198;

Best Local Similarity 99.5%; Pred. No. 3.3e-109;

Matches 198; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

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QY 61 ILCDLTKTSGSNTVSIKSLKFCQSOLSNNSVSFFLYNLDSHANYFCNLSIFDPPPK 120
DB 61 ILCDLTKTSGSNTVSIKSLKFCQSOLSNNSVSFFLYNLDSHANYFCNLSIFDPPPK 120
QY 121 VTLGGYLIHYESQCCQKFMPLPGCAAFVYVCLICILICWLTKKXSSVHDPPNGE 180
DB 121 VTLGGYLIHYESQCCQKFMPLPGCAAFVYVCLICILICWLTKKXSSVHDPPNGE 179
QY 181 YMFRAVNTAKKSRLTDVTL 199
DB 181 YMFRAVNTAKKSRLTDVTL 198

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RESULT 9
US-09-989-545-8
Sequence 8, Application US/09989545
Patent No. US20020164697A1
GENERAL INFORMATION:
APPLICANT: Lehari, Sophie
APPLICANT: Manning, Stephen
APPLICANT: Coyle, Anthony J.
APPLICANT: Gutierrez-Ramos, Jose-Carlos
TITLE OF INVENTION: No. US20020164697A1e1 Th2-Specific Molecules and Uses Thereof
FILE REFERENCE: 5800-10B
CURRENT APPLICATION NUMBER: US/09/989,545
PRIOR FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/168,229
PRIOR FILING DATE: 1998-10-07
PRIOR APPLICATION NUMBER: 09/258,670
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 24
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO: 8
LENGTH: 200
TYPE: PRT
ORGANISM: Mus sp.
US-09-989-545-8

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Query Match 68.2%; Score 737.5; DB 10; Length 200;
Best Local Similarity 69.3%; Pred. No. 4.7e-73;
Matches 138; Conservative 20; Mismatches 40; Indels 1; Gaps 1;

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QY 1 MKSGLMYFFLCIRIKYLTGEINGSANYEMFIFHNGVOILCKYDPIVOQFMQLKGQ 60
DB 1 MKSGLMYFFLCIRIKYLTGEINGSANYEMFIFHNGVOILCKYDPIVOQFMQLKGQ 60
QY 61 ILCDLTKTSGSNTVSIKSLKFCQSOLSNNSVSFFLYNLDSHANYFCNLSIFDPPPK 120
DB 61 ILCDLTKTSGSNTVSIKSLKFCQSOLSNNSVSFFLYNLDSHANYFCNLSIFDPPPK 120
QY 121 VTLGGYLIHYESQCCQKFMPLPGCAAFVYVCLICILICWLTKKXSSVHDPPNGE 180
DB 121 VTLGGYLIHYESQCCQKFMPLPGCAAFVYVCLICILICWLTKKXSSVHDPPNGE 179
QY 181 YMFRAVNTAKKSRLTDVTL 199
DB 181 YMFRAVNTAKKSRLTDVTL 198

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QY 121 V-TLGGYLIHYESQCCQKFMPLPGCAAFVYVCLICILICWLTKKXSSVHDPPNGE 179
DB 121 ERNLSSGYLIHYESQCCQKFMPLPGCAAFVYVCLICILICWLTKKXSSVHDPPNGE 180
QY 180 YMFRAVNTAKKSRLTDVTL 198
DB 181 YMFRAVNTAKKSRLTDVTL 199

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RESULT 10
US-09-989-545-10
Sequence 10, Application US/09989545
Patent No. US20020164697A1
GENERAL INFORMATION:
APPLICANT: Lehari, Sophie
APPLICANT: Manning, Stephen
APPLICANT: Coyle, Anthony J.
APPLICANT: Gutierrez-Ramos, Jose-Carlos
TITLE OF INVENTION: No. US20020164697A1e1 Th2-Specific Molecules and Uses Thereof
FILE REFERENCE: 5800-10B
CURRENT APPLICATION NUMBER: US/09/989,545
PRIOR FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/168,229
PRIOR FILING DATE: 1998-10-07
PRIOR APPLICATION NUMBER: 09/258,670
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 24
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO: 10
LENGTH: 200
TYPE: PRT
ORGANISM: Mus sp.
US-09-989-545-10

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Query Match 68.2%; Score 737.5; DB 10; Length 200;
Best Local Similarity 69.3%; Pred. No. 4.7e-73;
Matches 138; Conservative 20; Mismatches 40; Indels 1; Gaps 1;

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QY 1 MKSGLMYFFLCIRIKYLTGEINGSANYEMFIFHNGVOILCKYDPIVOQFMQLKGQ 60
DB 1 MKSGLMYFFLCIRIKYLTGEINGSANYEMFIFHNGVOILCKYDPIVOQFMQLKGQ 60
QY 61 ILCDLTKTSGSNTVSIKSLKFCQSOLSNNSVSFFLYNLDSHANYFCNLSIFDPPPK 120
DB 61 ILCDLTKTSGSNTVSIKSLKFCQSOLSNNSVSFFLYNLDSHANYFCNLSIFDPPPK 120
QY 121 V-TLGGYLIHYESQCCQKFMPLPGCAAFVYVCLICILICWLTKKXSSVHDPPNGE 179
DB 121 ERNLSSGYLIHYESQCCQKFMPLPGCAAFVYVCLICILICWLTKKXSSVHDPPNGE 180
QY 180 YMFRAVNTAKKSRLTDVTL 198
DB 181 YMFRAVNTAKKSRLTDVTL 199

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```

RESULT 11
US-10-107-828-14
Sequence 14, Application US/10107828
Patent No. US20020115831A1
GENERAL INFORMATION:
APPLICANT: Tezuka, Kazunari
APPLICANT: Yamazaki, Takuya
TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL
ADHESION AND SIGNAL TRANSMISSION
FILE REFERENCE: 06501-039002
CURRENT APPLICATION NUMBER: US/10/107,828
PRIOR FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: 03/561,308B
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: PCT/JP98/00837
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: JAPAN 09-62290
PRIOR FILING DATE: 1997-02-27

```

```

QY 1 MKSGLMYFFLCIRIKYLTGEINGSANYEMFIFHNGVOILCKYDPIVOQFMQLKGQ 60
DB 1 MKSGLMYFFLCIRIKYLTGEINGSANYEMFIFHNGVOILCKYDPIVOQFMQLKGQ 60
QY 61 ILCDLTKTSGSNTVSIKSLKFCQSOLSNNSVSFFLYNLDSHANYFCNLSIFDPPPK 120
DB 61 ILCDLTKTSGSNTVSIKSLKFCQSOLSNNSVSFFLYNLDSHANYFCNLSIFDPPPK 120
QY 121 V-TLGGYLIHYESQCCQKFMPLPGCAAFVYVCLICILICWLTKKXSSVHDPPNGE 179
DB 121 ERNLSSGYLIHYESQCCQKFMPLPGCAAFVYVCLICILICWLTKKXSSVHDPPNGE 180
QY 180 YMFRAVNTAKKSRLTDVTL 198
DB 181 YMFRAVNTAKKSRLTDVTL 199

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;; PRIOR APPLICATION NUMBER: JAPAN 10-62217
;; PRIOR FILING DATE: 1998-02-26
;; NUMBER OF SEQ ID NOS: 26
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 14
;; LENGTH: 200
;; TYPE: PRF
;; ORGANISM: Mus musculus
US-10-107-828-14

Query Match
Best Local Similarity 66.8%; Score 722.5; DB 14; Length 200;
Matches 136; Conservative 20; Mismatches 42; Indels 1; Gaps 1;

QY 1 MMSGWYFPLFCRIKVLTEGINSANYEMFIHNGVQIICKYPIVQOFKQOLKGGQ 60
DB 1 MKPYFCHVFVFCFLRLTGEINSGADHRMFSFHNGVQISCKYPTVQOLKRLFRERE 60
QY 61 ILCDLTKTKGSGNTVSIKSKFCHSOLSNNSVSFFLYNLDSHANYFFCNLSIFDPPPFK 120
DB 61 VLCELTXTKSGNAVASIKNPMCLYHLSNNSVSFFLNPDSSQGSYFCSLSIFDPPPFQ 120
QY 121 V-TLTGGYLIHYESQCCQKFWLPICGAPVYVVCILGCIILCWLTCKKXSSVHPDNGE 179
DB 121 ERNLSSGYLIHYESQCCQKFWLPICGAPVYVVCILGCIILCWLTCKKXSSVHPDNGE 180
QY 180 YMFMAVNTAKKSRLTDVT 198
DB 181 YMFMAVNTAKKSRLAGVT 199

RESULT 12

US-10-107-907-14
;; Sequence 14, Application US/10107907
;; Publication No. US20020151685A1
;; GENERAL INFORMATION:
;; APPLICANT: Tametani, Takuya
;; APPLICANT: Tezuka, Katsunari
;; TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL
;; TITLE OF INVENTION: ADHESION AND SIGNAL TRANSMISSION
;; FILE REFERENCE: 06501-039002
;; CURRENT APPLICATION NUMBER: US/10/107, 907
;; CURRENT FILING DATE: 2002-03-26
;; PRIOR APPLICATION NUMBER: 09/561,308
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: PCT/JP98/00837
;; PRIOR FILING DATE: 1998-02-27
;; PRIOR APPLICATION NUMBER: JAPAN 09-62230
;; OR APPLICATION NUMBER: JAPAN 10-62217
;; PRIOR FILING DATE: 1997-02-27
;; OR APPLICATION NUMBER: JAPAN 10-62217
;; NUMBER OF SEQ ID NOS: 26
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 14
;; LENGTH: 200
;; TYPE: PRF
;; ORGANISM: Mus musculus
US-10-107-907-14

Query Match

Best Local Similarity 66.8%; Score 722.5; DB 14; Length 200;
Matches 136; Conservative 20; Mismatches 42; Indels 1; Gaps 1;

QY 1 MMSGWYFPLFCRIKVLTEGINSANYEMFIHNGVQIICKYPIVQOFKQOLKGGQ 60
DB 1 MKPYFCHVFVFCFLRLTGEINSGADHRMFSFHNGVQISCKYPTVQOLKRLFRERE 60
QY 61 ILCDLTKTKGSGNTVSIKSKFCHSOLSNNSVSFFLYNLDSHANYFFCNLSIFDPPPFK 120
DB 61 VLCELTXTKSGNAVASIKNPMCLYHLSNNSVSFFLNPDSSQGSYFCSLSIFDPPPFQ 120
QY 121 V-TLTGGYLIHYESQCCQKFWLPICGAPVYVVCILGCIILCWLTCKKXSSVHPDNGE 179
DB 121 ERNLSSGYLIHYESQCCQKFWLPICGAPVYVVCILGCIILCWLTCKKXSSVHPDNGE 180

DB 121 ERNLSSGYLIHYESQCCQKFWLPICGAPVYVVCILGCIILCWLTCKKXSSVHPDNGE 180
QY 180 YMFMAVNTAKKSRLTDVT 198
DB 181 YMFMAVNTAKKSRLAGVT 199

RESULT 13

US-10-107-868-14
;; Sequence 14, Application US/10107868
;; Publication No. US20020156242A1
;; GENERAL INFORMATION:
;; APPLICANT: Tametani, Takuya
;; APPLICANT: Tezuka, Katsunari
;; TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL
;; TITLE OF INVENTION: ADHESION AND SIGNAL TRANSMISSION
;; FILE REFERENCE: 06501-039002
;; CURRENT APPLICATION NUMBER: US/10/107, 868
;; CURRENT FILING DATE: 2002-03-26
;; PRIOR APPLICATION NUMBER: 09/561,308
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: US 09/383,551
;; PRIOR FILING DATE: 1999-08-26
;; PRIOR APPLICATION NUMBER: PCT/JP98/00837
;; PRIOR FILING DATE: 1998-02-27
;; PRIOR APPLICATION NUMBER: JAPAN 09-62230
;; PRIOR FILING DATE: 1997-02-27
;; PRIOR APPLICATION NUMBER: JAPAN 10-62217
;; PRIOR FILING DATE: 1998-02-26
;; NUMBER OF SEQ ID NOS: 26
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 14
;; LENGTH: 200
;; TYPE: PRF
;; ORGANISM: Mus musculus
US-10-107-868-14

Query Match

Best Local Similarity 66.8%; Score 722.5; DB 14; Length 200;
Matches 136; Conservative 20; Mismatches 42; Indels 1; Gaps 1;

QY 1 MMSGWYFPLFCRIKVLTEGINSANYEMFIHNGVQIICKYPIVQOFKQOLKGGQ 60
DB 1 MKPYFCHVFVFCFLRLTGEINSGADHRMFSFHNGVQISCKYPTVQOLKRLFRERE 60
QY 61 ILCDLTKTKGSGNTVSIKSKFCHSOLSNNSVSFFLYNLDSHANYFFCNLSIFDPPPFK 120
DB 61 VLCELTXTKSGNAVASIKNPMCLYHLSNNSVSFFLNPDSSQGSYFCSLSIFDPPPFQ 120
QY 121 V-TLTGGYLIHYESQCCQKFWLPICGAPVYVVCILGCIILCWLTCKKXSSVHPDNGE 179
DB 121 ERNLSSGYLIHYESQCCQKFWLPICGAPVYVVCILGCIILCWLTCKKXSSVHPDNGE 180
QY 180 YMFMAVNTAKKSRLTDVT 198
DB 181 YMFMAVNTAKKSRLAGVT 199

RESULT 14

US-10-301-056-14
;; Sequence 14, Application US/10301056
;; Publication No. US20030083472A1
;; GENERAL INFORMATION:
;; APPLICANT: Tametani, Takuya
;; APPLICANT: Tezuka, Katsunari
;; TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL
;; TITLE OF INVENTION: ADHESION AND SIGNAL TRANSMISSION
;; FILE REFERENCE: 06501-039001
;; CURRENT APPLICATION NUMBER: US/10/301, 056
;; CURRENT FILING DATE: 2002-11-21
;; PRIOR APPLICATION NUMBER: US/09/383,551
;; PRIOR FILING DATE: 1999-08-26
;; PRIOR APPLICATION NUMBER: PCT/JP98/00837

QY 1 MMSGWYFPLFCRIKVLTEGINSANYEMFIHNGVQIICKYPIVQOFKQOLKGGQ 60
DB 1 MKPYFCHVFVFCFLRLTGEINSGADHRMFSFHNGVQISCKYPTVQOLKRLFRERE 60
QY 61 ILCDLTKTKGSGNTVSIKSKFCHSOLSNNSVSFFLYNLDSHANYFFCNLSIFDPPPFK 120
DB 61 VLCELTXTKSGNAVASIKNPMCLYHLSNNSVSFFLNPDSSQGSYFCSLSIFDPPPFQ 120
QY 121 V-TLTGGYLIHYESQCCQKFWLPICGAPVYVVCILGCIILCWLTCKKXSSVHPDNGE 179
DB 121 ERNLSSGYLIHYESQCCQKFWLPICGAPVYVVCILGCIILCWLTCKKXSSVHPDNGE 180

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; PRIOR FILING DATE: 1998-02-27
; PRIOR APPLICATION NUMBER: JAPAN 09-62290
; PRIOR FILING DATE: 1997-02-27
; PRIOR APPLICATION NUMBER: JAPAN 10-62217
; PRIOR FILING DATE: 1998-02-26
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 14
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-301-036-14

Query Match      66.8%; Score 722.5; DB 15; Length 200;
Best Local Similarity 68.3%; Pred. No. 2.1e-71;
Matches 136; Conservative 20; Mismatches 42; Indels 1; Gaps 1;

QY      1 MKSGMYEFLPCLRIKVLTEINGSANYEMFIFNNGVQILCKYPPDIVQOFKXQOLKGGQ 60
      1 MKPYCHVFVFCFLIRLTLTEINGSADHRMFSFNHGVQISCKYPTVOQLKRLFRERE 60
DY      61 ILCDLTKTKSGNTVSIKSLKFCCHSOLSNNNSVSPFLYNLDHSHANYFCNLSIFDPPPPK 120
      61 VLCELTGTKSGNAVSIGNPMLCLYHLSNNNSVSFFLNPPDSOGSYFCSLSIFDPPPPQ 120
DB      121 V-TLGGYLIHTYESQLCCQLKFWLPICGAFFVWVCIIGCILICMLTKKKYSSVHDPPNGE 179
      121 EBNLSGGYLIHTYESQLCCQLKFWLPVGLPAFVVVLLFGCILITWFSKKKYGSSVHDPPNSE 180
QY      180 YMFMAVNTAKKSRRLDVT 198
      181 YMFMAVNTAKKSRRLAGVT 199
DB

RESULT 15
US-10-107-828-13
; Sequence 13, Application US/10107828
; Publication No. US20020115831A1
; GENERAL INFORMATION:
; APPLICANT: Tamatani, Takuya
; TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL
; FILE REFERENCE: 06501-039002
; CURRENT APPLICATION NUMBER: US/10/107,828
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US/09/561,308B
; PRIOR FILING DATE: 2000-04-28
; FOR APPLICATION NUMBER: PCT/JP98/00837
; PRIOR FILING DATE: 1998-02-27
; PRIOR APPLICATION NUMBER: JAPAN 09-62290
; PRIOR FILING DATE: 1997-02-27
; PRIOR APPLICATION NUMBER: JAPAN 10-62217
; PRIOR FILING DATE: 1998-02-26
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 13
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-107-828-13

Query Match      64.8%; Score 701; DB 14; Length 200;
Best Local Similarity 67.9%; Pred. No. 4.8e-69;
Matches 133; Conservative 17; Mismatches 42; Indels 4; Gaps 2;

QY      7 YF---FLFCLRIKVLTEINGSANYEMFIFNNGVQILCKYPPDIVQOFKXQOLKGGQILC 63
      4 YFSCVFVFCFLIRLTLTEINGSADHRMFSFNHGVQISCKYPTVOQLKRLFRERE 63
DB      64 DLTTKSGNTVSIKSLKFCCHSOLSNNNSVSPFLYNLDHSHANYFCNLSIFDPPPP-KVT 122
      64 DLTTKSGNTVSIKSLKFCCHSOLSNNNSVSPFLYNLDHSHANYFCNLSIFDPPPPQ 123
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QY      123 LGGYLIHTYESQLCCQLKFWLPICGAFFVWVCIIGCILICMLTKKKYSSVHDPPNGEYMF 182
      124 LGGYLIHTYESQLCCQLKFWLPVGLPAFVVVLLFGCILITWFSKKKYGSSVHDPPNSEYMF 183
QY      183 YMFMAVNTAKKSRRLDVT 198
      184 YMFMAVNTAKKSRRLAGMT 199
DB
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Search completed: July 27, 2003, 11:20:39
Job time : 25 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 27, 2003, 11:19:09 ; Search time 29 Seconds
(Without alignments)
290.340 Million cell updates/sec

Title: US-09-823-307C-2

Perfect score: 1082

Sequence: 1 MKSGWVFFLFCRLRIKVLTC.....YHFNRAVNTAKSKSLDVTLL 199

Scoring table: BIOSUM62

Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Minimum DB seg length: 0

Maximum DB seg length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCITUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfillseq1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	658	60.8	379	4	US-09-667-135-24
2	449.5	41.5	360	4	US-09-667-135-26
3	163	15.1	218	3	US-08-228-208A-20
4	146.5	13.5	225	1	US-08-505-058-4
5	146.5	13.5	225	2	US-08-459-818-24
6	146.5	13.5	225	2	US-08-889-666-24
7	146.5	13.5	225	2	US-08-465-078-24
8	146.5	13.5	225	2	US-08-725-776-24
9	146.5	13.5	225	2	US-08-488-062-24
10	145.5	13.4	221	4	US-09-303-040-8
11	140	12.9	218	3	US-08-228-208A-19
12	134.5	12.4	220	3	US-08-228-208A-21
13	134	12.4	225	1	US-08-505-058-3
14	134	12.4	225	2	US-08-459-818-23
15	134	12.4	225	2	US-08-889-666-23
16	134	12.4	225	2	US-08-465-078-23
17	134	12.4	225	2	US-08-725-776-23
18	134	12.4	225	2	US-08-488-062-23
19	126	11.6	223	1	US-08-505-058-5
20	126	11.6	223	2	US-08-459-818-25
21	126	11.6	223	2	US-08-889-666-25
22	126	11.6	223	2	US-08-465-078-25
23	126	11.6	223	2	US-08-725-776-25
24	126	11.6	223	2	US-08-488-062-25
25	120.5	11.1	367	3	US-08-630-172-19
26	120.5	11.1	367	3	US-09-375-419-19
27	119.5	11.0	134	3	US-08-630-172-3

28	119.5	11.0	134	3	US-09-375-419-3	Sequence 3, Appl
29	110.5	10.2	110	4	US-09-460-384-33	Sequence 33, Appl
30	93	8.6	221	3	US-08-228-208A-22	Sequence 22, Appl
31	89.5	8.3	117	2	US-08-529-878B-39	Sequence 39, Appl
32	87	8.0	330	2	US-08-333-562A-81	Sequence 81, Appl
33	87	8.0	330	2	US-08-333-562A-134	Sequence 134, Appl
34	86.5	8.0	209	4	US-09-430-503-20	Sequence 20, Appl
35	84.5	7.8	209	4	US-09-430-503-18	Sequence 18, Appl
36	84.5	7.8	209	4	US-09-430-503-24	Sequence 24, Appl
37	84	7.8	223	3	US-08-228-208A-17	Sequence 17, Appl
38	84	7.8	283	2	US-08-332-382A-136	Sequence 136, Appl
39	82.5	7.6	209	4	US-09-430-503-22	Sequence 22, Appl
40	81.5	7.5	187	1	US-08-067-684-14	Sequence 14, Appl
41	81.5	7.5	187	1	US-08-008-898-14	Sequence 14, Appl
42	81.5	7.5	187	2	US-08-459-818-14	Sequence 14, Appl
43	81.5	7.5	187	2	US-08-889-666-14	Sequence 14, Appl
44	81.5	7.5	187	2	US-08-465-078-14	Sequence 14, Appl
45	81.5	7.5	187	2	US-08-725-776-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-09-667-135-24
; Sequence 24, Application US/09667135
; Patent No. 6521749
; GENERAL INFORMATION:
; APPLICANT: Vincent Ling
; APPLICANT: Kyriaki Dunusi-Joannopoulos
; TITLE OF INVENTION: NOVEL GL50 MOLECULES AND USES THEREFOR
; FILE REFERENCE: GNN-007
; CURRENT APPLICATION NUMBER: US/09/667,135
; CURRENT FILING DATE: 2000-09-21
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 379
; TYPE: PRT
; ORGANSIM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: hicos-mig2am amino acid sequence
US-09-667-135-24

Query Match 60.8%; Score 658; DB 4; Length 379;
Best Local Similarity 100.0%; Pred. No. 7.2e-69;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 21 EINGSANYEMFIHNGGVQILCKYPDIVQOFKQQLKGGQILCDLTRKSGNTWSIKSL 80
DB 26 EINGSANYEMFIHNGGVQILCKYPDIVQOFKQQLKGGQILCDLTRKSGNTWSIKSL 85
QY 81 KFCQSLSNNSVSFFLYNLDSHANYFFCNLSIFDPPFFKVTLTGGYLIHVESQLCCOLK 140
DB 86 KFCQSLSNNSVSFFLYNLDSHANYFFCNLSIFDPPFFKVTLTGGYLIHVESQLCCOLK 145
QY 141 F 141
DB 146 F 146
RESULT 2
US-09-667-135-26
; Sequence 26, Application US/09667135
; Patent No. 6521749
; GENERAL INFORMATION:
; APPLICANT: Vincent Ling
; APPLICANT: Kyriaki Dunusi-Joannopoulos
; TITLE OF INVENTION: NOVEL GL50 MOLECULES AND USES THEREFOR
; FILE REFERENCE: GNN-007
; CURRENT APPLICATION NUMBER: US/09/667,135
; CURRENT FILING DATE: 2000-09-21
; NUMBER OF SEQ ID NOS: 38

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SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 26
; LENGTH: 380
; TYPE: prt
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: micos-mig2am nucleotide sequence
US-09-667-135-26

Query Match
Best Local Similarity 41.5%; Score 449.5; DB 4; Length 380;
Best Local Similarity 70.2%; Pred. No. 2.2e-44;
Matches 85; Conservative 13; Mismatches 22; Indels 1; Gaps 1;

QY 21 EINGSNYEMFIFHNGVQILCKYPDIVQPFKQQLKGGQILCDLTKTKSGSNTVSISL 80
DB 26 EINGSNADHRMFSFHNGVQISCKYPETVQOLKRLFREREVELCELTKTKSGSNAVSIRNP 85
QY 81 KCHSQLSNNSVSFFLYNLDSHANYFCNLSIFDPPPKV-TLNGYLHIYESQLCCOL 139
DY 86 MCLYHLNNSVSFFLNPNDSGGSYYFCSLISIFDPPPKFOERNLSGGYLHIYESQLCCOL 145
QY 140 K 140
DB 146 K 146

RESULT 3
US-08-228-208A-20
; Sequence 20, Application US/08228208A
; Patent No. 6090914
; GENERAL INFORMATION:
; APPLICANT: Linaley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Dame, Milton K.
; APPLICANT: Brady, William M.
; APPLICANT: Wallace, Philip M.
; TITLE OF INVENTION: C11A4/CD2819 HYBRID FUSION
; TITLE OF INVENTION: PROTEINS AND USES THEREOF
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Boulevard, Suite 400
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/228,208A
; FILING DATE: 15-APR-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/008,898
; FILING DATE: 22-JAN-1993
; APPLICATION NUMBER: 07/723,617
; FILING DATE: 27-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436-30US01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310 445-1140
; TELEFAX: 310 445-9031
; TELEX:
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 218 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
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TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-228-208A-20

Query Match
Best Local Similarity 15.1%; Score 163; DB 3; Length 218;
Best Local Similarity 26.5%; Pred. No. 4.5e-11;
Matches 41; Conservative 31; Mismatches 65; Indels 18; Gaps 7;

QY 30 MEIFHNGVQILCKYPD-IVQPFKQQLKGGQILCDLTKTKSGSNTVSISLK- - - - F 82
DB 29 LLVYDNNNEVSLSCRSYNLAKERFASLYKG--VNSDVEVCVGNNGFTYQOPFRPNVGN 86
QY 83 CHSQLSNNSVSFFLYNLDSHANYFCNLSIFDPPPKV-KVTLTGGLHIYESQLC- - - C 137
DB 87 CGNFDNETVTFRLMNDLVNHTDIDYFCKIEVMYPPPYLDNKSNGTIIHKERHLCOAOT 146
QY 138 QLKFWLPICGAFVAVVC--ILGCLILC--WLTKKK 168
DB 147 SPKLFWPLVAVAGVILCYGLLYVTLCIIWTNSRR 181

RESULT 4
US-08-505-058-4
; Sequence 4, Application US/08505058
; Patent No. 5773253
; GENERAL INFORMATION:
; APPLICANT: Linaley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Beach, Robert
; TITLE OF INVENTION: C11A4 Mutant Molecules and Uses Thereof
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Blvd., Suite 400
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/505,058
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/228,208
; FILING DATE: 15-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436-30US11
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-445-1140
; TELEFAX: 310-445-9031
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 225 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-505-058-4

Query Match
Best Local Similarity 13.5%; Score 146.5; DB 1; Length 225;
Best Local Similarity 26.2%; Pred. No. 4e-09;
Matches 42; Conservative 31; Mismatches 64; Indels 23; Gaps 9;

QY 30 MEIFHNGVQIL-CKYPD-IVQPFKQQLKGGQILCDLTKTKSGSNTVSISLK- - - - F 81
DB 30 LLVYDNNNEVSLSCRSYNLAKERFASLYKG--VNSDVEVCVGNNGFTYQOPFRPNVG 87
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Oy      82 -FCHSOLSNNSVSPFLVNLDSHANYFCNLSIFDPPPF--KVTLTGGLHYIESOLC-- 136
      Db      88 FNCDSGNFDEYTFPRMLNDVNHDTIYFCCKIEVMYPPPYLDNKSNGTIIHIKEKHLCHA 147
Oy      137 ----COLKFWLPICGAFAVVC--ILGCLILC--WLTKKK 168
      Db      148 XXXQTSPLKFWPLVAVAGVLCYGLLYTVTLCTIWTNSRR 187

RESULT 5
US-08-459-818-24
; Sequence 24, Application US/08459818
; Patent No. 5831795
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Dangle, Nitin K.
; APPLICANT: Brady, William
; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 1150 Santa Monica Blvd., Suite 400
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PastSeq 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,818
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436.35US02
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-445-1140
; TELEFAX: 310-445-9031
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 225 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-459-818-24

Query Match      13.5%; Score 146.5; DB 2; Length 225;
Best Local Similarity 26.2%; Pred. No. 4e-09;
Matches 42; Conservative 31; Mismatches 64; Indels 23; Gaps 9;

Oy      30 MFIFHNGGVQIL-CKYPD--IYQPRKMLKGGQILCDLFT-KSGNTVSIKSLK----- 81
      Db      30 LLYVDNNEVXSLSCRYSNLAKEFRASLYKG--VNSDVXEVCGVGNFTYQPOFRPNVG 87
Oy      82 -FCHSOLSNNSVSPFLVNLDSHANYFCNLSIFDPPPF--KVTLTGGLHYIESOLC-- 136
      Db      88 FNCDSGNFDEYTFPRMLNDVNHDTIYFCCKIEVMYPPPYLDNKSNGTIIHIKEKHLCHA 147
Oy      137 ----COLKFWLPICGAFAVVC--ILGCLILC--WLTKKK 168
      Db      148 XXXQTSPLKFWPLVAVAGVLCYGLLYTVTLCTIWTNSRR 187

RESULT 6
US-08-889-666-24
; Sequence 24, Application US/08889666
```

```
; Patent No. 5885579
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Dangle, Nitin K.
; APPLICANT: Brady, William
; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 1150 Santa Monica Blvd., Suite 400
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/889,666
; FILING DATE: 08-JUL-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/375390
; FILING DATE: 18-JAN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436-35US01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-445-1140
; TELEFAX: 310-445-9031
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 225 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-889-666-24

Query Match      13.5%; Score 146.5; DB 2; Length 225;
Best Local Similarity 26.2%; Pred. No. 4e-09;
Matches 42; Conservative 31; Mismatches 64; Indels 23; Gaps 9;

Oy      30 MFIFHNGGVQIL-CKYPD--IYQPRKMLKGGQILCDLFT-KSGNTVSIKSLK----- 81
      Db      30 LLYVDNNEVXSLSCRYSNLAKEFRASLYKG--VNSDVXEVCGVGNFTYQPOFRPNVG 87
Oy      82 -FCHSOLSNNSVSPFLVNLDSHANYFCNLSIFDPPPF--KVTLTGGLHYIESOLC-- 136
      Db      88 FNCDSGNFDEYTFPRMLNDVNHDTIYFCCKIEVMYPPPYLDNKSNGTIIHIKEKHLCHA 147
Oy      137 ----COLKFWLPICGAFAVVC--ILGCLILC--WLTKKK 168
      Db      148 XXXQTSPLKFWPLVAVAGVLCYGLLYTVTLCTIWTNSRR 187

RESULT 7
US-08-465-078-24
; Sequence 24, Application US/08465078
; Patent No. 5885796
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Dangle, Nitin K.
; APPLICANT: Brady, William
; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
```

```

NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 1150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,078
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/375390
FILING DATE: 18-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-35US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-9031
TELEFAX: 310-445-1140
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-465-078-24

Query Match
Best Local Similarity 26.2%; Pred. No. 4e-09; Length 225;
Matches 42; Conservative 31; Mismatches 64; Indels 23; Gaps 9;

OY 30 MFIFHNGVQIL-CRYPD--IVQOFKQMLKGGQILCDLTKT-KSGNTVSIKSLK----81
DB 30 LLVVDNNEVXSLSCRYSNLAKFRASLYKG--VNSDVXEVCGVGNFTYQOPFRPNVG 87
OY 82 -FCHSQLSNNSVSFFLYNLDSHANYFECNLSIFDPPPF--KVTLTGYLHIYESQLC--136
DB 88 FNCGDNFNETVTRLMNLVDVHTDIFYCKIEVWYPPPIIDNKSNGTIIHKEKHLCHA 147
OY 137 ----CQLKFWLPICGAFVVC--ILGCLILIC--WLTKK 168
DB 148 XXXQTSPLFWPLVAVGVLLCYGLLTVTLCTIWTNSRR 187

RESULT 8
US-08-725-776-24
Sequence 24, Application US/08725776
Patent No. 5968510
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Damle, Nitin K.
APPLICANT: Brady, William
APPLICANT: Kiener, Peter A.
TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 1150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,078
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/375390
FILING DATE: 18-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-35US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-9031
TELEFAX: 310-445-1140
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-725-776-24
```

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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/725,776
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/375390
FILING DATE: 18-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-35US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-9031
TELEFAX: 310-445-1140
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-725-776-24

Query Match
Best Local Similarity 26.2%; Pred. No. 4e-09; Length 225;
Matches 42; Conservative 31; Mismatches 64; Indels 23; Gaps 9;

OY 30 MFIFHNGVQIL-CRYPD--IVQOFKQMLKGGQILCDLTKT-KSGNTVSIKSLK----81
DB 30 LLVVDNNEVXSLSCRYSNLAKFRASLYKG--VNSDVXEVCGVGNFTYQOPFRPNVG 87
OY 82 -FCHSQLSNNSVSFFLYNLDSHANYFECNLSIFDPPPF--KVTLTGYLHIYESQLC--136
DB 88 FNCGDNFNETVTRLMNLVDVHTDIFYCKIEVWYPPPIIDNKSNGTIIHKEKHLCHA 147
OY 137 ----CQLKFWLPICGAFVVC--ILGCLILIC--WLTKK 168
DB 148 XXXQTSPLFWPLVAVGVLLCYGLLTVTLCTIWTNSRR 187

RESULT 9
US-08-488-062-24
Sequence 24, Application US/08488062
Patent No. 5977318
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Damle, Nitin K.
APPLICANT: Brady, William
APPLICANT: Kiener, Peter A.
TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 1150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,062
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
```

APPLICATION NUMBER: US 08/375390
 FILING DATE: 18-JAN-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Adriano, Sarah B.
 REGISTRATION NUMBER: 34,470
 REFERENCE/DOCKET NUMBER: 30436-35US01
 TELEPHONE: 310-445-1140
 TELEFAX: 310-445-9031
 INFORMATION FOR SEQ ID NO:
 LENGTH: 225 amino acids
 TYPE: amino acid
 STRANDEDNESS: linear
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-488-062-24

Query Match 13.5%; Score 146.5; DB 2; Length 225;
 Best Local Similarity 26.2%; Pred. No. 48-09;
 Ches 42; Conservative 31; Mismatches 64; Indels 23; Gaps 9;

Qy 30 MFHNGVQIL-CKYPD--IVQFKMQLKGGQILCDLTKT-KSGNTVSIKLPF--- 81
 Db 30 LLYVDNNEVXSLSCRYNLAKEFRASLYKG--VNSDVEVCVGNFTYQPOFRPNVG 87
 Qy 82 -FCHSOLSNNSVSFFLYNLDSHANYFCNLISFDPPF--KVTLTGGLHYESOLC-- 136
 Db 88 FNCNENFNEVTFRLNMLDVNHTDIYFKIEVMYPPPIIDNKSNGTIIHKEKHLCHA 147
 Qy 137 ----COLKFWLPGICAFVVC--ILGCIILC--WLTKKK 168
 Db 148 XXXGSPFLFWPLVAVGVLLCYGLVYVTLCTIMNSRR 187

RESULT 10
 US-09-303-040-8
 ; Sequence 8, Application US/09303040
 ; Patent No. 6555671
 ; GENERAL INFORMATION:
 ; APPLICANT: Winslow, Barbara J.
 ; TITLE OF INVENTION: Recombinant Virus Expressing Foreign DNA Encoding
 ; TITLE OF INVENTION: Feline CD80, Feline CD86, Feline CD28, Feline CTLA-4 or
 ; FILE REFERENCE: 54957-B
 ; CURRENT APPLICATION NUMBER: US/09/303,040
 ; CURRENT FILING DATE: 1999-04-30
 ; PATER APPLICATION NUMBER: 60/083,870
 ; FILER FILING DATE: 1998-05-01
 ; NUMBER OF SEQ ID NOS: 82
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 8
 ; LENGTH: 221
 ; TYPE: PRT
 ; ORGANISM: feline CD28
 US-09-303-040-8

Query Match 13.4%; Score 145.5; DB 4; Length 221;
 Best Local Similarity 28.3%; Pred. No. 5,2e-09;
 Matches 45; Conservative 22; Mismatches 65; Indels 27; Gaps 8;
 Qy 32 IFHNGVQILCKYPD--IVQFKMQLKGGQILCDLTKT--SGNTVSIKLPF--CHSO 86
 Db 31 VVYNNENVLSCRYNLAKEFRASLYKGVDASVAVCVGNFTYQPOFRPNVG 90
 Qy 87 LSNNSVSFFLYNLDSHANYFCNLISFDPPF--KVTLTGGLHYESOLC--COLK-- 140
 Db 91 LGNETVTFYRLNMLDVNHTDIYFKIEVMYPPPIIDNKSNGTIIHKEKHLCPALSPES 150
 Qy 141 ---FWLPGICAFVVC--ILGCIILC--WLTKKK 168
 Db 151 SKPFW-----ALVYVAGVILFYGLVYVTLCTIMNSRR 184

RESULT 11
 US-08-228-208A-19
 ; Sequence 19, Application US/08228208A
 ; Patent No. 6090914
 ; GENERAL INFORMATION:
 ; APPLICANT: Linsley, Peter S.
 ; APPLICANT: Ledbetter, Jeffrey A.
 ; APPLICANT: Dangle, Milton K.
 ; APPLICANT: Brady, William
 ; APPLICANT: Wallace, Philip M.
 ; TITLE OF INVENTION: CTLA4/CD28 HYBRID FUSION
 ; NUMBER OF SEQUENCES: 22
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Merchant & Gould
 ; STREET: 1150 Santa Monica Boulevard, Suite 400
 ; CITY: Los Angeles
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 90025

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/228,208A
 FILING DATE: 15-APR-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/008,898
 FILING DATE: 22-JAN-1993
 APPLICATION NUMBER: 07/723,617
 FILING DATE: 27-JUN-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Adriano, Sarah B.
 REGISTRATION NUMBER: 34,470
 REFERENCE/DOCKET NUMBER: 30436-30US01
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 310 445-1140
 TELEFAX: 310 445-9031
 TELEX:
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 218 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-228-208A-19

Query Match 12.9%; Score 140; DB 3; Length 218;
 Best Local Similarity 25.7%; Pred. No. 2,2e-08;
 Matches 39; Conservative 24; Mismatches 61; Indels 28; Gaps 7;
 Qy 38 VOILCKYPD--IVQFKMQLKGGQILCDLTKTSGNTVSIKLPF-----CHSOLSN 90
 Db 37 VLSLCRYNLAKEFRASLYKG--VNSDVEVCVGNFTYQPOFRPNVSNMFPNDDGFDNE 94
 Qy 91 SVSFFLYNLDSHANYFCNLISFDPPF--KVTLTGGLHYESOLC--COLKFWLP 144
 Db 95 TTFRLNMLDVNHTDIYFKIEVMYPPPIIDNKSNGTIIHKEKHLCTHQSAPFLFW-- 152
 Qy 145 IGCAFAVVCILG-----ILGCIILC--WLTKKK 168
 Db 153 ---ALVYVAGVILFYGLVYVTLCTIMNSRR 181
 RESULT 12
 US-08-228-208A-21
 ; Sequence 21, Application US/08228208A

```

Patent No. 6090914
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Dame, Nitin K.
APPLICANT: Brady, William
APPLICANT: Wallace, Philip M.
TITLE OF INVENTION: CTLA4/CD28lg HYBRID FUSION
TITLE OF INVENTION: PROTEINS AND USES THEREOF
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 1150 Santa Monica Boulevard, Suite 400
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Pasteo Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/228,208A
FILING DATE: 15-APR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/008,898
FILING DATE: 22-JAN-1993
APPLICATION NUMBER: 07/723,617
FILING DATE: 27-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-30US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310 445-1140
TELEFAX: 310 445-9031
TELEX:
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 220 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-228-208A-21

Query Match
Best Local Similarity: 25.4%; Score 134.5; DB 3; Length 220;
Matches 44; Conservative 30; Mismatches 74; Indels 25; Gaps 7;

QY 30 MFIFNGVGLCKYPD--IVQOFKQMLKGGQILCDLTKTKGSGN--TYSIKSLKFKCH 84
DB 28 MLVAVDNAYNLSCKYSYNLFSRFRASLHKGLDSAVECVVGYNSQQLQVYSKTGPFNC 87
QY 85 SOLSNSVSFELVNLDSHANYFCNLSIFDPPPF--KVTLLGGYLIHYESQLCCQLKFW 142
DB 88 GKLGNESTVFLQNLVYNQTDIFYCKIEVWPPPYLDNKSNGTIIHKGKHLCSPLF- 146
QY 143 LPIGCAFFVVCILGCLIC-----WLTKKXSSSVHPNCEWFM 183
DB 147 -FGSKRFVLVYGVGLACYSLTYVAFIIFVRSKR-SRLH---SDVNM 194

RESULT 13
US-08-505-058-3
Sequence 3, Application US/08505058
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Peach, Robert

TITLE OF INVENTION: CTLA4 Mutant Molecules and Uses Thereof
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 1150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/505,058
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/228,208
FILING DATE: 15-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-30US11
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310 445-1140
TELEFAX: 310 445-9031
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS: linear
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-505-058-3

Query Match
Best Local Similarity: 23.0%; Score 134; DB 1; Length 225;
Matches 42; Conservative 32; Mismatches 77; Indels 32; Gaps 8;

QY 11 FCLRKIVLTGSHINSANYEMFIFNGVGLCKYPD--IVQOFKQMLKGGQILCDLTKT 68
DB 12 FFXSVQVTEENKILVKOSPLLYVDSNEVXSLSCRYSNLAKFRASLYKG--VNSDVXEV 69
QY 69 -KSGNTVSIKSLF-----CHSOLSNSVSFELVNLDSHANYFCNLSIFDPPPF--K 120
DB 70 CVGNGNFTYCPQFPRSNALFNCDGDFDNEVTFRLMNLVHNTDIFYCKIEFMYPPPYLDN 129
QY 121 VTLGGYLIHYESQLC-----COLKFWLPIGCAFFVVCILG-----ILICWLT 165
DB 130 ERSNGTIIHIEKRLCHTXXKQSSPKLFW----ALYVAVGLFCYGLLVVALCVIMTN 184
QY 166 KKK 168
DB 185 SRR 187

RESULT 14
US-08-459-818-23
Sequence 23, Application US/08459818
Patent No. 5851795
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Dame, Nitin K.
APPLICANT: Brady, William
TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 1150 Santa Monica Blvd., Suite 400
CITY: Los Angeles

```

STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FastSeq 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,818
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-35US02
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-459-818-23

Query Match 12.4%; Score 134; DB 2; Length 225;
Best Local Similarity 23.0%; Pred. No. 1.2e-07;
Matches 42; Conservative 32; Mismatches 77; Indels 32; Gaps 8;

QY 11 FCLRIKVLTEGINSANYEMFIFHNGVOILCKYPD--IVQFKKQGLKGGQILCDLTKT 68
DB 12 FFXSVQVTEKILVKQSPILLYVNSVSLSCRYSNLAKFRSLYKG--VNSDVXEV 69
QY 69 -KSGGNVTSIKSLKF-----CHQSLNNSVSFELVNLDSHANYFCULSIFDPPF--K 120
DB 70 CVGNQNTFYQPPQPSNAEFVCGDPPNETVTRNLNHNHDIYFCIEFMYPPIYDN 129
QY 121 VTLGVLTHYESQIC-----CQKFWLPICGAPFVVCILG-----ILICWLT 165
DB 130 ERSNGTIHKEKHLCHTXXQSSPKLFW-----ALIVVAGVLFYGLLVVALCVIWTN 184
QY 166 KKK 168
DB 185 SRR 187

RESUBMIT 15
US-08-889-666-23
Sequence 23, Application US/08889666
Patent No. 5885579
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Dangle, Milton K.
APPLICANT: Brady, William
APPLICANT: Kiener, Peter A.
TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Merchant & Gould
STREET: 1150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/889,666
FILING DATE: 08-JUL-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/375390
FILING DATE: 18-JAN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-35US01
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INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-889-666-23

Query Match 12.4%; Score 134; DB 2; Length 225;
Best Local Similarity 23.0%; Pred. No. 1.2e-07;
Matches 42; Conservative 32; Mismatches 77; Indels 32; Gaps 8;

QY 11 FCLRIKVLTEGINSANYEMFIFHNGVOILCKYPD--IVQFKKQGLKGGQILCDLTKT 68
DB 12 FFXSVQVTEKILVKQSPILLYVNSVSLSCRYSNLAKFRSLYKG--VNSDVXEV 69
QY 69 -KSGGNVTSIKSLKF-----CHQSLNNSVSFELVNLDSHANYFCULSIFDPPF--K 120
DB 70 CVGNQNTFYQPPQPSNAEFVCGDPPNETVTRNLNHNHDIYFCIEFMYPPIYDN 129
QY 121 VTLGVLTHYESQIC-----CQKFWLPICGAPFVVCILG-----ILICWLT 165
DB 130 ERSNGTIHKEKHLCHTXXQSSPKLFW-----ALIVVAGVLFYGLLVVALCVIWTN 184
QY 166 KKK 168
DB 185 SRR 187

Search completed: July 27, 2003, 11:20:08
Job time : 30 secs